



# Interactive Workshop on Power Quality



## WHY? (Need for the event)

Today Electrical Power is the most essential raw material used by industry & commerce and as other raw materials quality of raw material (Electrical Power) is important for the product quality, process functioning, costing etc. Further to promote reduction of carbon emission and wastage of energy we are forced to concentrate on renewable energy and high efficient equipment which basically utilizes power electronic devices.

Power electronic devices distorts the current from its natural waveform (Sine wave) thereby generates harmonics and pollute the electrical system and deteriorate the quality of power. Power quality has direct economic impacts, indirect economic impacts and Social economic impacts. This work shop covers power quality issues in general and the major issue 'Harmonics' (causes, effects & mitigation) in detail.

## WHO? (The Organisers)

The **Interactive Workshop on Power Quality** is being jointly organized by the Indian Association of Energy Management Professionals (IAEMP) and LCG Energy Consultants Private Limited (LCG).

### IAEMP

"Indian Association of Energy Management Professional" (IAEMP), is an association of BEE Certified Energy Managers and Energy Auditors. With a humble start from 16 energy conscious experts joining hands in the year 2006, the idea of bringing energy professionals soon became a revolution all over India and today IAEMP boasts of being a strong association of more than 500 Energy managers/ auditors/ professionals as paid members and 7,500 yahoo group members

### LCG Energy Consultants Private Limited

LCG Energy Consultants Private Limited is a company promoted by a multi-disciplinary group of highly experienced engineering professionals and Certified Energy Auditors (Certified by Bureau of Energy Efficiency under the EC Act, 2001). Established in 2010, the company has a pan India presence with operations in all major states of the country. Over last 8 years, it has conducted several energy audit studies and organized many workshops on topics related to energy management and sustainability.

## WHEN? (Date & Time)

Dates : 16<sup>th</sup> December, 2018 (1000 hrs - 1700 hrs)

## WHERE? (Venue)

Institution of Engineers, Dr B R Ambedkar Veedhi, Opposite Indian Express, Bengaluru, Karnataka.

## WHAT? (Topics to be covered)

### *The workshop coverage:*

- \* Brief introduction of Power Quality
- \* Reactive Power and its impacts
- \* Reactive Power Compensation-different types of compensation
- \* Reactive Power Compensation in harmonic rich environment
- \* Harmonics, its effects and impacts
- \* Harmonic Mitigations-different solutions

### **Key Faculty: Mr Johny P.A.**

Mr Johny has more than 45 years of experience in Design, construction and operation of HV & EHV Substations (AIS & GIS), EHV SVC Station (Classic & Hybrid)& HVDC Converter Stations & Lines. An M.Tech in 'Electrical Power System Engineering' he holds 'Power Quality Expert', certification from 'Leonardo Power Quality Imitative' (LPQI).

He is Executive Engineer (Rtd.) – Kerala State Electricity Board (KSEB) and Engineering Expert (Rtd.) - Saudi Electricity Company (SEC). Presently he is working as Managing Partner of Thrissur based, 'Power Engineering Consultants'.

## WHOM? (Who should attend)

This is a good opportunity for Certified Energy Auditor, Energy Managers, Electrical Maintenance persons, Planners and Designers of Electrical power distribution to sharpen their skills on the power quality aspects.

## HOW? (To participate)

The participation is open for all by paying fee of **Rs. 2,000 /-**.The fee covers Lunch and Tea, reference material etc.

The nominations giving name, address and mobile no.of the participants along with cheque / Electronic confirmation of remittance amount may be sent by e-mail to [begurkmurali@gmail.com](mailto:begurkmurali@gmail.com) with copy to [sunilsolar@yahoo.co.in](mailto:sunilsolar@yahoo.co.in) by 10<sup>th</sup> Dec'18. The details of the account are as given below:

<b>Name of Account</b>	:	<b>Indian Association of Energy Management Professionals</b>
<b>Account No.</b>	:	<b>0883101060759</b>
<b>Type of account</b>	:	<b>Savings Bank Account</b>
<b>Name of Bank</b>	:	<b>Canara Bank, Branch: Sarakki layout, Bengaluru</b>
<b>IFSC Code</b>	:	<b>CNRB0000883</b>

For any clarifications, please feel free to contact:

1. **Muralidhar , Mobile : 94489 87653**
2. **Sunil Sood, Mobile : 7739802112**

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**INDIAN ASSOCIATION OF ENERGY MANAGEMENT PROFESSIONALS ( [www.iaemp.in](http://www.iaemp.in) )**

**LCG Energy Consultants Private Limited ( [www.lcgenenergy.com](http://www.lcgenenergy.com) )**

**300/B, 9<sup>th</sup> Main,35<sup>th</sup> Cross,4<sup>th</sup> Block,Jayanagar,Bengaluru-560011**